

Certificate of Analysis

Potassium Iodate-Iodide, 0.0125 Normal (N/80), 1 mL = 0.5 mg SO₃²⁻

Lot Number: 4402K59

Product Number: 6280

Manufacture Date: FEB 16, 2024

Expiration Date: AUG 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodide	7681-11-0	ACS
Potassium Iodate	7758-05-6	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Sodium Thiosulfate/Starch)	0.01249-0.01251 N at 20°C	0.01251 N at 20°C	136

Specification	Reference
Standard Potassium Iodide-Iodate Titrant, 0.002083 M	APHA (4500-SO32- B)
Standard Potassium Iodide-Iodate Titrant, 0.0125 M	APHA (4500-SO32- C)
Standard Potassium Iodide-Iodate Titrant, 0.0125 N	EPA (376.2)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
6280-1	4 L amber glass	18 months
6280-32	1 L amber glass	18 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Paul Brandon (02/16/2024)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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